PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

FOR FURTHER ACTION	See Form PCT/IPEA/416								
International filing date (day/month/year)	Priority date (day/month/year)								
30.11.2004	01.12.2003								
nal classification and IPC									
H04B1/30, H04L27/38, H04L27/22									
Applicant									
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.									
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 									
	uding this cover sheet.								
NEXES, comprising:									
o the International Bureau) a total of	sheets, as follows:								
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
	considers contain an amendment that goes beyond								
international application as filed, as indic	ated in item 4 of Box No. I and the Supplemental								
Cureau only) a total of (indicate type and nu	mber of electronic carrier(s))								
	containing a sequence listing and/or tables								
, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
g to the following items:									
report									
hment of opinion with regard to novelty, in	ventive step and industrial applicability								
y of invention									
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
o. VI Certain documents cited									
Box No. VII Certain defects in the international application									
/III Certain observations on the international application									
Date of submission of the demand Date of completion of this report									
Authorized officer									
	International filing date (day/month/year) 30.11.2004 onal classification and IPC H04L27/22 ENDUSTRIAL CO., LTD. Innary examination report, established by the applicant according to Article 36. 4 sheets, including the International Bureau) a total of 10 to the International Bureau) a total of 10 to the International Bureau) at the International application as filed, as indicated as indicated as indicated in the Surative Instructions). In the following items: In the following items: In the following items: In the following items: In the following such statement and the surative Instructions and the following such statement of the international application In the following such statement of the international application application on the international application In the following items: In the international application application on the international application of the completion of th								

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/017784

Box	k No. I	[Basis of the report				
1.			to the language, this report is based on the international der this item.	onal application in the language in	which it	was filed, unless otherwise	
			eport is based on translations from the original langua is the language of a translation furnished for the purp			,	
			international search (Rule 12.3 and 23.1(b))				
			publication of the international application (Rule 12.4	()			
			international preliminary examination (Rule 55.2 and	/or 55.3)			
2.	rece	With regard to the elements of the international application, this report is based on (<i>replacement sheets which have been furnished to the</i> eceiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to his report):					
		the int	ernational application as originally filed/furnished				
	\boxtimes	the de	scription:				
		pages	1-5,8-10,12-15,17-24,26-31			as originally filed/furnished	
		pages'	* _6,7,11,16,25	received by this Authority on	03.10	.2005	
		pages'	*	received by this Authority on			
	\boxtimes	the cla	aims:				
		nos.				as originally filed/furnished	
		nos.*					
		nos.*	22-30				
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			awings:				
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	Ш	a sequ	ence listing and/or any related table(s) - see Supplement	nental Box Relating to Sequence I	Listing.		
3.	\boxtimes	The ar	mendments have resulted in the cancellation of:				
		Ш	the description, pages				
			the claims, nos. 1-21				
			the drawings, sheets/figs				
			the sequence listing (specify):				
			any table(s) related to sequence listing (specify):				
4.			eport has been established as if (some of) the amend ave been considered to go beyond the disclosure as fi				
			the description, pages				
			the claims, nos.			_	
			the drawings, sheets/figs				
			the sequence listing (specify):				
			any table(s) related to sequence listing (specify):				
*	If ite	ет 4 арр	olies, some or all of those sheets may be marked "sup	erseded."			

International application No.
PCT/JP2004/017784

		ticle 35(2) with regard to novelty, inventive step or industrial applicability; porting such statement	
atement			
Novelty (N)	Claims	22-30	YES
	Claims		NO
Inventive step (IS)	Claims	22-30	YES
	Claims		NO
Industrial applicability (IA)	Claims	22-30	YES
	Claims		_ NO
	citations and explanatement Novelty (N) Inventive step (IS)	atement Novelty (N) Claims Claims Inventive step (IS) Claims Claims Claims Claims Claims Claims	citations and explanations supporting such statement Atement Novelty (N) Claims Claims Inventive step (IS) Claims Claims 22-30 Claims 22-30 Claims 22-30

2. Citations and explanations (Rule 70.7)

Document 1 (JP 2003-298451 A (Takuro SATO), 17
October 2003, paragraph [0002]) indicates that
"[b]asically, the DC offset is generated in the mixer
circuit. The mixer circuit mixes (multiplies) the signals
from the RF signal source and the LO signal source (i.e.
the local oscillator) and carries out frequency
conversion. Therein, if LO signals enter a more
roundabout path via the transmission system (i.e. input
terminal on the RF signal-side of the mixer), then the LO
signals (which have the same frequency as the reception
frequency) will mix (of their own accord) so as to
generate a DC offset."

Document 2 (JP 2001-211098 A (Hitachi, Ltd.), 03
August 2001, paragraph [0030] & US 6826388 B & EP 1102413
A3) indicates that "switches (1401 and 1402) are inserted between the capacitor (1403) and the resistors (1404 and 1405) of the filter (140) in order to reduce the time constant during DC offset cancellation. As a result, it is possible to reduce the propagation delay of the filter (140), and thus the DC offset can be canceled more quickly without using the input short-circuiting switch (801) that is illustrated in FIG. 8."

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Claims 22 to 30

The feature whereby the "operations of the first amplification means are stopped during the correction process in the preceding stage, whereafter the first amplification means is operated subsequent to the completion of the correction process in the preceding stage but prior to the commencement of the correction process in the subsequent stage" is not disclosed or suggested in documents 1 to 2.